



Case Study

Implementation of EM Mapping, Sodic Soil Management and Fallow Systems



LANDHOLDER	Rodney Robino
LOCATION	Sunnybank & Beamerside
CATCHMENT	Lower Herbert
RAINFALL	2920mm
PROPERTY SIZE	135ha
ON-GROUND PROVIDER	HCPSL

Project Catalyst is a grower led, sugar cane innovation and adoption project that explores, develops and validates farm management practice change to improve the enduring water quality of the Great Barrier Reef.

BROADER ADOPTION VALIDATION & GROWER SUPPORT

Founded in 2009, the project operates in the Mackay Whitsunday, Burdekin and Wet Tropic regions to deliver valued practice change outcomes and develop methods for industry adoption. Under the Broader Adoption and Grower Support program, professional on-ground service providers assist selected growers to adopt and validate appropriate change practices. Service providers continue to monitor implementation benefits and derived environmental performance improvements. Through targeted extension activities, the program seeks to accelerate the uptake and broader adoption of improved farming practices at local, regional and industry levels.



Great Barrier
Reef Foundation



●●●● Goal

By using EM mapping and fallow cropping Rodney hope to better manage his sodic soil issue.



●●●● Overview

By using EM mapping and soil sampling to find the problem zones within his farms Rodney hopes to improve yield by placing ameliorants that address sodic soil issues into these zones. He plans on using fallow break crops to try and increase organic matter and overall soil health during his fallow block periods.

●●●● Action

-EM mapping has started taking place and soil sampling of good and bad zones to make prescription maps to zonal apply ameliorants into problem sodic zones.

●●●● Outcome

Majority of F#187 is EM mapped with products applied at variable rates.

